LINK CONGESTION CONTROL SYSTEM

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Utdrag

PURPOSE:To constitute a switch without congestion by measuring a utilizing rate of a buffer in the inside of an asynchronous transfer mode switch, comparing a threshold of the buffer with the utilizing rate measured value, discriminating the link congestion, referencing flow control identification information and raising flow control to a specific call.

CONSTITUTION:The utilizing rate of an output buffer 41 is measured by a comparator circuit 51 and when the measured value reaches a prescribed threshold, the comparator circuit 51 informs the congestion information to a call connection controller 70. The call connection controller 70 discriminates link congestion state based on the congestion information noticed from the comparator circuit 51, references the flow control identification information displayed in a call processed by a basic switch 10 and raises a flow stop instruction of a cell from a network flow control sending circuit 60 via an output buffer with respect to a specific call allowing the flow control.

出力線 31

出力バッファ 41

51

出力線 3n

出力バッファ 4n

比較回路 52

汎欠回路 5n

入力線 21

基本スイッチ 10

コア制御処理回路 出力調停回路 60

内部流動調停装置 70

入力線 2n